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MECHANICAL DRAWING CONVENTIONS

CONVENTIONS

LINES AND THEIR USES Used to represent the outline and all visible edges of an object. Also to represent given and required lines. Width & standard. Dash and space each &. Used to represent invisible edges. Also for constructions. --- PROJECTION Width & standard. Dash &". Space &". Used to represent projections between views, and for extensions to dimensions lines. Width & standard. Dashes & and & Space & Used to represent centers, axes of projection and to show where sections have been taken. Width 2 times standard. Used in shading for right and bottomedges. Width 3 times standard. Used for border of plates. - DIMENSION Width & standard Dash from &"up. Space &", Used for dimensions.

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744

515m

110.3

MECHANICAL DRAWING CONVENTIONS
COPYRIGHT 1908 BY L.L.S.IMPSON.
GOTHIC ALPHABET

ABCDEFGHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz 1234567890

ABCDEFGHIJKLMNOPQRSTUVWXYZ

abcdefghijklmnopqrstuvwxyz 1234567890

Six strokes make all the letters.

If Used in letters BDEFHIKLMNPRT bdhklpt aimnr 145 Compare

" " ABDEFHLPRZeftz 2457 AV WINTEPRBD

I/\ " " AKMNQRVWXYZ kvwxyz 7

IILHNU XYZK

(()) " " BCDGOPQR abcdegopq356890 \$\particle{O}\particle

In words, the area of the space between letters is always the same. In sentences the space between words is the size of one letter. THE LIBRARY OF THE DMIVERSITY OF ILLINGIS 744

MECHANICAL DRAWING CONVENTIONS COPYRIGHT 1908 BY L.L. SIMPSON. The brown METHOD OF SHOWING BREAKS

To better illustrate or to save space on the drawing a portion of the object is sometimes broken away. If possible the break should show the shape of the object and be crosshatched to show the kind of material of which it is made.

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MECHANICAL DRAWING CONVENTIONS
COPYRIGHT 1908 BY L.L.SIMPSON. CROSSHATCHING BRASS WROUGHT IRON WROUGHT STEEL CAST IRON STEEL LEATHER WOOD COPPER BARBITT. VULCANITE CEMENT LIQUID EARTH STONE BRICK

In a section or a drawing showing an imaginary cut surface that surface is crosshatched to show the kind of material. The width of the lines and the distance between them varies with the size of the surface. Objects touching are crosshatched in opposite directions.

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Si5m MECHANICAL DRAWING CONVENTIONS COPYRIGHT 1908 BY L.L. Simpson mo 6 DIMENSIONS Arrow heads thus Pitch=13 $Not \longrightarrow | \longrightarrow | \longrightarrow |$ Figures in dimensions should always be the same size regardless of the scale of the drawing. Single figures & high, Fractions & high. Numerator and denominator each Z.". Figures thus 多" 孝" 冷" 7" not 豪素流".". Notes and dimensions must always read from the bottom or the right side of the plate with respect to the title of the plate. THE LIBRARY
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